PTO/SB/68 (09-06)
Approved for use through 3/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REQUEST FOR ACCESS TO AN ABANDONED APPLICATION UNDER 37 CFR 1.14

Bring completed form to:
File Information Unit, Room 2E04
2900 Crystal Drive
Arlington, VA 22202-3514

RECEIVED
JUL 18 2008
File Information Unit

Telephone: (703) 308-2733

In re Application of

Application Number	Filed
08/862,610	5/23/97

Paper No: #9

I hereby request access under 37 CFR 1.14(a)(1)(iv) to the application file record of the above-identified ABANDONED application, which is not within the file jacket of a pending Continued Prosecution Application (CPA) (37 CFR 1.53(d)) and which is identified in, or to which a benefit is claimed, in the following document (as shown in the attachment):

United States Patent Application Publication No. _____, page, _____ line _____,

United States Patent Number 6806052, column _____, line, _____ or

WIPO Pub. No._____, page _____, line _____.

Related Information About Access to Applications Maintained in the Image File Wrapper System (IFW) and Access to Pending Applications in General

A member of the public, acting without a power to inspect, cannot order applications maintained in the IFW system through the FIU. If the member of the public is entitled to a copy of the application file, then the file is made available through the Public Patent Application Information Retrieval system (Public PAIR) on the USPTO internet web site (www.uspto.gov). Terminals that allow access to Public PAIR are available in the Public Search Room. The member of the public may also be entitled to obtain a copy of all or part of the application file upon payment of the appropriate fee. Such copies must be purchased through the **Office of Public Records** upon payment of the appropriate fee (37 CFR 1.19(b)).

For **published** applications that are still pending, a member of the public may obtain a **copy** of: the file contents; the pending application as originally filed; or any document in the file of the pending application.

For **unpublished** applications that are still pending:

(1) If the benefit of the pending application is claimed under 35 U.S.C. 119(e), 120, 121, or 365 in another application that has: (a) issued as a U.S. patent, or (b) published as a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a **copy** of: the file contents; the pending application as originally filed; or any document in the file of the pending application.

(2) If the application is incorporated by reference or otherwise identified in a U.S. patent, a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a **copy** of the pending application as originally filed.

Azieb Tesfay
Signature

7/18/08
Date

Azieb Tesfay
Typed or printed name

Registration Number, if applicable

703-486-1150
Telephone Number

FOR PTO USE ONLY

Approved by: _____ (initials)

Unit: _____

RECEIVED
JUL 18 2008
File Information Unit

This collection of information is required by 37 CFR 1.11 and 1.14. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **BRING TO: File Information Unit, Room 2E04, 2900 Crystal Drive, Arlington, Virginia.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

US006806052B2

(12) **United States Patent**
Bridgham et al.

(10) **Patent No.: US 6,806,052 B2**
(45) **Date of Patent: Oct. 19, 2004**

(54) **PLANAR ARRAYS OF MICROPARTICLE-BOUND POLYNUCLEOTIDES**

(75) Inventors: **John Bridgham**, Hillsborough, CA (US); **Kevin P. Corcoran**, Fremont, CA (US); **George S. Golda**, El Granada, CA (US); **Michael C. Pallas**, San Bruno, CA (US); **Sydney Brenner**, La Jolla, CA (US)

(73) Assignee: **Lynx Therapeutics, Inc.**, Hayward, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 73 days.

(21) Appl. No.: **10/124,884**

(22) Filed: **Apr. 18, 2002**

(65) **Prior Publication Data**

US 2003/0077615 A1 Apr. 24, 2003

Related U.S. Application Data

(63) Continuation of application No. 09/424,028, filed as application No. PCT/US98/11224 on May 22, 1998, now Pat. No. 6,406,848, which is a continuation of application No. 08/862,610, filed on May 23, 1997, now abandoned.

(51) **Int. Cl.**[7] **C12Q 1/68**; C12M 1/12; C12M 3/00; C12M 1/14; C07H 21/00

(52) **U.S. Cl.** **435/6**; 435/288.3; 435/297.5; 435/299.1; 536/22.1

(58) **Field of Search** 435/6, 288.3, 297.5, 435/299.1; 536/22.1

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,429,807 A	*	7/1995	Matson et al.	422/131
5,604,097 A	*	2/1997	Brenner	435/6
5,763,175 A		6/1998	Brenner	
5,962,228 A		10/1999	Brenner	
6,406,848 B1	*	6/2002	Bridgham et al.	435/6

FOREIGN PATENT DOCUMENTS

WO	WO 96/12014	4/1996	C12N/15/10

* cited by examiner

Primary Examiner—Kenneth R. Horlick
Assistant Examiner—Joyce Tung
(74) *Attorney, Agent, or Firm*—Vincent M. Powers; Lee Ann Gorthey; Perkins Coie LLP

(57) **ABSTRACT**

An apparatus and system are provided for simultaneously analyzing a plurality of analytes anchored to microparticles. Microparticles each having a uniform population of a single kind of analyte attached are disposed as a substantially immobilized planar array inside of a flow chamber where steps of an analytical process are carried out by delivering a sequence of processing reagents to the microparticles by a fluidic system under microprocessor control. In response to such process steps, an optical signal is generated at the surface of each microparticle which is characteristic of the interaction between the analyte carried by the microparticle and the delivered processing reagent. The plurality of analytes are simultaneously analyzed by collecting and recording images of the optical signals generated by all the microparticles in the planar array. A key feature of the invention is the correlation of the sequence of optical signals generated by each microparticle in the planar array during the analytical process.

3 Claims, 10 Drawing Sheets